

Transactions

of the

ASME

SOCIETY RECORDS

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JANUARY, 1949

VOL. 71, NO. 1

Transactions

of The American Society of Mechanical Engineers

Published on the tenth of every month, except March, June, September, and December

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Published monthly by The American Society of Mechanical Engineers. Publication office at 20th and Northampton Streets, Easton, Pa. The editorial department is located at the headquarters of the Society, 29 West Thirty-Ninth Street, New York 18, N. Y. Cable address, "Dynamic," New York. Price \$1.50 a copy, \$12.00 a year for Transactions and the *Journal of Applied Mechanics*, to members and affiliates, \$1.00 a copy, \$6.00 a year. Changes of address must be received at Society headquarters three weeks before they are to be effective on the mailing list. Please send old as well as new address.... By-Law: The Society shall not be responsible for statements or opinions advanced in papers or... printed in its publications (B13, Par. 4).... Entered as second-class matter March 2, 1928, at the Post Office at Easton, Pa., under the Act of August 24, 1912.... Copyrighted, 1949, by The American Society of Mechanical Engineers. Reprints from this publication may be made on condition that full credit be given the Transactions of the ASME and the author and that date of publication be stated.

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neers and Shipbuilders
Sheffield.....Sheffield Public Libraries

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Bangalore.....Mysore Engineers Association
Calcutta.....Bengal Engineering College
Poona.....Poona College of Engineering
Rangoon.....University of Rangoon

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Belfast.....Queen's University of Belfast

Italy

Torino.....Biblioteca, Politecnico
Rome.....Consiglio Nazionale delle Ricerche
Napoli.....Facolta' d'Ingegneria, Università

Mexico

Mexico City.....Asociacion de Ingenieros y Arquitectos de
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Library of the Escuela de Ingenieros Me-
canicos y Electricistas

Scotland

Glasgow.....Royal Technical College
Mitchell Library

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Cape Town.....University of Cape Town
Johannesburg....South African Institute of Engineers

Sweden

Stockholm.....Kungl. Tekniska Hogskolans Bibliotek

Wales

Cardiff.....Cardiff Public Library

Indexes to ASME Papers and Publications

THIS and the following pages will serve as a guide to the current publications of the ASME.

Regular Society Publications, 1948

Mechanical Engineering, monthly (see index on page SR-59)
ASME Transactions, monthly (see index on page SR-77)
Journal of Applied Mechanics, quarterly (see index on page SR-85)
ASME Mechanical Catalog and Directory, 1949 edition.
Applied Mechanics Reviews, monthly.

Publications Issued in 1948

Proceedings of the 1947 National Conference on Petroleum Mechanical Engineering
1945, 1946, 1947 Proceedings of Oil and Gas Power Division
1946 and 1947 Oil Engine Power Cost Report
1948 Addenda to:
Low-Pressure Heating Boilers
Locomotive Boiler Code
Miniature Boiler Code
Power Boiler Code
Unfired Pressure Vessel Code
Specifications for Materials
Welding Qualifications
American Standards
1947 Supplement to 1942 Code for Pressure Piping.
Circular and Dovetailed Forming Tool Blanks
Spindle Noses for Toolroom Lathes
Taps, Cut and Ground Threads
Cast-Iron Pipe Flanges and Flanged Fittings, Class 125
Cast-Iron Pipe Flanges and Flanged Fittings for Refrigerant Piping
Letter Symbols for Mechanics of Solid Bodies
Letter Symbols for Physics
Power Test Codes
Test Code for Steam Turbines
Appendix to Test Code for Steam Turbines

How to Find Papers Presented at 1948 ASME Meeting

THE technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages SR-59 to SR-76. A majority of these papers were published, or will be published, in *Mechanical Engineering* or the Transactions (including the *Journal of Applied Mechanics*) and may be located by reference to the indexes of these publications.

Publications Developed by the Technical Committees

THE Society's technical committees, the first of which was organized many years ago and all of which have been continuously at work on codes, standards, research, and other special reports, have developed a series of publications of permanent value to the membership. The following list is presented here for record and for ready reference. This list covers the works of these committees together with dates of publications and prices. A discount of 20 per cent is allowed to ASME members on all publications except where otherwise noted.

ASME AMERICAN STANDARDS

BOLT, NUT, AND RIVET PROPORTIONS

Large Rivets (B18.4—1937), \$0.80
Plow Bolts (B18f—1928), \$0.45
Round Unslotted-Head Bolts (B18.5—1939), \$0.60
Socket-Head Cap Screws and Socket-Set Screws (B18.3—1947), \$0.60
Slotted-and-Recessed-Head Screws (B18.6—1947), \$1.00
Small Rivets (B18a—1927 with 1942 Addendum), \$0.40
Tinnern's, Coopers', and Belt Rivets (B18g—1928, with 1942 Addendum), \$0.45
Track Bolts and Nuts (B18d—1930), \$0.50
Wrench-Head Bolts and Nuts and Wrench Openings (B18.2—1941), \$0.80

PIPING AND PIPE FITTINGS

Air Gaps and Backflow Preventers in Plumbing Systems (A40.4—1942 and A40.6—1943), \$0.55
Brass Fittings for Flared Copper Tubes (A40.2—1936), \$0.45
Brass and Bronze Screwed Fittings (B16.15—1947), \$0.65
Cast-Iron Pipe Flanges and Flanged Fittings for 25 Lb Maximum Saturated Steam Pressure (B16b2—1947), \$0.50
Cast-Iron Pipe Flanges and Flanged Fittings Class 125 (B16a—1948), \$0.65
Cast-Iron Pipe Flanges and Flanged Fittings Class 250 (B16b—1944), \$0.55.
Cast-Iron Pipe Flanges and Flanged Fittings for Refrigerant Piping, Class 300 (B16.16—1948), \$0.45
Cast-Iron Pipe Flanges and Flanged Fittings for 800 Lb Maximum Hydraulic Pressure (B16b1—1931), \$0.45.
Cast-Iron Soil Pipe and Fittings (A40.1—1935), \$0.80
Cast-Iron Long Turn Sprinkler Fittings for 150 and 250 Lb Maximum Saturated Steam Pressure (B16g—1929) and Addendum (B16g1—1937), \$0.60
Cast-Iron Screwed Fittings for 125 and 250 Lb Maximum Saturated Steam Pressure (B16d—1941), \$0.50
Cast-Iron Screwed Drainage Fittings (B16.12—1942), \$0.55
Code for Pressure Piping (B31.1—1942), \$2.50
Supplement No. 2 to 1942 Code for Pressure Piping, \$0.60
Face-to-Face Dimensions of Ferrous Flanged and Welding End Valves (B16.10—1939), \$0.65
Ferrous Plugs, Bushings, Lock Nuts, and Caps (B16.14—1943), \$0.50
Malleable-Iron Screwed Fittings for 150 Lb Maximum Saturated Steam Pressure (B16c—1939), \$0.60
Pipe Threads (B2.1—1945), \$1.50
Scheme for the Identification of Piping Systems (A13—1928), \$0.60
Steel Pipe Flanges and Flanged Fittings for 150 to 2500 Lb Maximum Steam Service Pressure (B16e—1939), \$1.50
Soldered-Joint Fittings (A40.3—1941), \$0.55
Steel Butt-Welding Fittings (B16.9—1940), \$0.50
Steel-Socket Welding Fittings (B16.11—1946), \$0.60
Threaded Cast-Iron Pipe for Drainage, Vent, and Waste Services (A40.5—1943), \$0.30
Wrought-Iron and Wrought-Steel Pipe (B36.10—1939), \$0.60

LETTER AND GRAPHICAL SYMBOLS AND CHARTS

Abbreviations for Scientific and Engineering Terms (Z10.1—1941), \$0.45
Abbreviations for Use on Drawings (Z33.13—1946), \$1.00
Drawings and Drafting-Room Practice (Z14.1—1946), \$1.50
Engineering and Scientific Charts for Lantern Slides (Z15.1—1932), \$0.60
Engineering and Scientific Graphs for Publications (Z15.3—1943), \$0.90
Graphical Symbols for Use on Drawings in Mechanical Engineering (Z32.2—1941), \$0.60
Letter Symbols for Chemical Engineering (Z10.12—1946), \$0.50
Letter Symbols for Gear Engineering (B6.5—1943), \$0.30
Letter Symbols for Hydraulics (Z10.2—1942), \$0.45
Letter Symbols for Mechanics of Solid Bodies (Z10.3—1948), \$0.30
Letter Symbols for Heat and Thermodynamics (Z10c—1943), \$0.65

Letter Symbols for Physics (Z10.6—1948), \$1.00
Time Series Charts (Z15.2—1938), \$1.50

AMERICAN STANDARDS—MISCELLANY

Indicating Pressure and Vacuum Gages (B40—1939), \$0.50
Preferred Thickness for Uncoated Thin Flat Metals (B32.1—1941), \$0.30
Inspection and Tolerances for Gears (B6—1946), \$0.80
Preferred Standards for Large 3600-Rpm 3-Phase 60-Cycle Condensing Steam Turbine-Generators (published 1945), \$0.30
Operation and Flow Process Charts, 1947, \$0.75
Self-Appraisal Form for Use of Industrial Plants, 1947, \$0.75
Shaft Couplings (B49—1947), \$0.45
Spring Lock Washers (B27.1—1944), \$0.35
Spur Gear Tooth Form (B6.1—1932) \$0.55
Surface Roughness, Waviness, and Lay (B46.1—1947), \$0.45

SMALL TOOLS AND MACHINE TOOL ELEMENTS

Machine Tapers (B5.10—1943), \$0.75
Milling Cutters (B5c—1930), \$0.90
Nomenclature for Milling Cutter Teeth (B5c1—1947), \$0.70
Reamers (B5.14—1941), \$0.90
Taps—Cut and Ground Threads (B5.4—1948), \$1.50
Terminology and Definitions for Single-Point Cutting Tools (B5.13—1939), \$0.50
Adjustable Adapters (B5.11—1937), \$0.60
Chucks and Chuck Jaws (B5.8—1936), \$0.55
Circular and Dovetailed Forming Tool Blanks and Holding Elements (B5.7—1948), \$0.60
Markings for Grinding Wheels (B5.17—1943), \$0.30
Involute Splines, Side Bearings (B5.15—1946), \$0.80
Jig Bushings (B5.6—1941), \$0.45
Spindle Noses and Arbors for Milling Machines (B5.18—1943), \$0.30
Spindle Noses for Toolroom Lathes
Rotating Air Cylinders and Adapters (B5.5—1932), \$0.45
Tool Shanks and Tool Posts (B5.2—1943), \$0.45
Tool Life Tests (B5—1946), \$0.55
T-Slots, Their Bolts, Nuts, Tongues, and Cutters (B5a—1941), \$0.45
Twist Drills (B5.12—1940), \$0.65
Code for Design of Transmission Shafting (B17c—1927), \$0.90
Shafting and Stock Keys (B17.1—1943), \$0.55
Woodruff Keys, Keyslots, and Cutters (B17f—1939), \$0.45

SCREW THREADS AND THREADING TOOLS

Fire Hose Coupling Screw Thread (B26—1947), \$0.30
Hose Coupling Screw Threads (B33.1—1947), \$0.30
Limits and Fits in Engineering and Manufacturing (B4.1—1947), \$0.30
Rolled Threads for Screw Shells of Electric Sockets and Lamp Bases (C44—1946), \$0.45
Screw Threads for Bolts, Nuts, Machine Screws, and Threaded Parts (B1.1—1935), \$0.75
Screw Threads for High-Strength Bolting (B1.4—1945), \$0.30
Screw Thread Gages and Gaging (B1.2—1941), \$0.75
Acme and Other Translating Threads (B1.3—1941), \$0.55
Tolerances, Allowances, and Gages for Metal Fits (B4a—1925), \$0.60

BOILER CONSTRUCTION CODE

1946 Editions With 1947—48 Addenda:
Boilers of Locomotives, \$1.00
Low-Pressure Heating Boiler Code, \$1.00
Miniature Boiler Code, \$0.75
Power Boiler Code, \$2.75
Specifications for Materials, \$4.00
Suggested Rules for Power Boilers, \$1.25
Unfired Pressure Vessel Code, \$2.00
Welding Qualifications, \$0.90
Boiler Code Interpretation Service, \$5.00 annually
API-ASME Code for Unfired Pressure Vessels
1943 Edition, with 1944 Supplement, \$2.00

POWER TEST CODES AND AUXILIARY SECTIONS

TEST CODES FOR

Atmospheric Water-Cooling Equipment (1930), \$0.55
Coal Pulverizers (1944), \$0.85

Displacement Compressors, Vacuum Pumps, and Blowers (1939), \$0.90
Dust Separating Apparatus (1941), \$0.90
Evaporating Apparatus (1941), \$0.60
Feedwater Heaters (1927), \$0.45
Fans (1945), \$1.00
Gaseous Fuels (1944), \$0.90
Gas Producers (1928), \$0.65
Hydraulic Prime Movers (1938 with 1942 Addenda), \$0.75
Reciprocating Steam-Driven Displacement Pumps (1927), \$0.80
Reciprocating Steam Engines (1935), \$0.80
Stationary Steam Generating Units (1946), \$0.75
Steam Condensing Apparatus (1938), \$0.80
Steam Locomotives (1941), \$0.65
Appendix to Steam Turbine Test Code (1948), \$2.00
Steam Turbines (1948), \$2.00

INSTRUMENTS AND APPARATUS

General Instructions (1945), \$0.55
Definitions and Values (1945), \$0.80
Part 1—General Considerations (1935), \$0.45
Part 2—Pressure Measurement
Chapter 1, Barometers; Chapter 6, Tables, Multipliers, and Standards (1941), \$0.75
Chapter 2, Static and Total Pressure, Static Holes and Tubes, and Impact Tubes, \$0.75
Chapter 3, Static Pressure Hole, Static Tube, or Impact Tube (1945), \$0.75
Chapter 4, Bourdon, Bellows, Diaphragm, and Deadweight Gages (1938), \$0.75
Chapter 5, Liquid Column Gages (1942), \$0.75
Part 3—Temperature Measurement
Chapter 1, General; Chapter 5, Pyrometric Cones; Chapter 6, Liquid-in-Glass Thermometers; and Chapter 7, Bourdon-Tube Thermometers (1931), \$0.75
Chapter 2, Radiation Pyrometers (1936), \$0.65
Chapter 3, Thermocouple Thermometers or Pyrometers (1940), \$0.75
Chapter 4, Resistance Thermometers (1945), \$0.80
Chapter 8, Optical Pyrometers (1940), \$0.45
Part 4—Head Measuring Apparatus (1933), \$0.45
Part 5—Chapter 4, Flow Measurement by Means of Standardized Nozzles and Orifice Plates (1940), \$2.75
Part 8—Measurement of Indicated Horsepower (1941), \$0.75
Part 9—Heat of Combustion (1943), \$0.50
Part 11—Determination of Quality of Steam (1940), \$0.55
Part 12—Measurement of Time (1942), \$0.50
Part 13—Speed Measurements (1939), \$0.55
Part 14—Linear Measurements (1936), \$0.65
Part 15—Measurement of Surface Areas (1944), \$0.75
Part 16—Density Determinations (1931), \$0.40
Part 17—Determination of the Viscosity of Liquids (1931), \$0.75
Part 18—Humidity Determinations (1932), \$0.60
Part 20—Smoke-Density Determinations (1945), \$0.75
Part 21—Leakage Measurements (1942), \$0.75

RESEARCH

Fluid Meters:

Part 1—Theory and Application (1937), \$3.25
Part 3—Selection and Installation (1933), \$1.75
Report of the AGA-ASME Committee on Orifice Coefficients. (1935), \$2.75
Bibliography on Aircraft Plywood (1944), \$1.00
Bibliography on the Cutting of Metals (published 1945), \$6.50
Riveted Joints—A Critical Review of the Literature Covering Their Development, with Bibliography and Abstracts of the Most Important Articles (Published 1945), \$4.50
Sources of Information on Instruments (published 1945), \$0.75

SAFETY CODES

Code for Pressure Piping (B31.1—1942 with 1944 and 1947 Supplements), \$3.00
Safety Code for Cranes, Derricks, and Hoists (B30.2—1943), \$1.80
Safety Code for Elevators (A17.1—1937 with 1942 Supplement), \$1.50
Elevator Inspectors' Manual (A17.2—1945), \$1.50

Safety Code for Conveyors, Cableways, and Related Equipment (B20—1947), \$0.90
 Safety Code for Jacks (B30.1—1943), \$0.40
 Safety Code for Mechanical Power-Transmission Apparatus (B15—1927, Reaffirmed in 1935 without change), \$0.45
 Compressed-Air Machinery and Equipment (B19—1938), \$0.40
 Description and Schematic Layouts of Various Types of Undercar Safeties and Governors (published 1945), \$0.40
 Handling and Socketing of Wire Rope (published 1945), \$0.25

Biographies

BIOGRAPHIES issued under the sponsorship of the ASME Biography Committee are as follows:

Autobiography of an Engineer, by W. LeR. Emmet (1940), \$3.50
 Scientific Blacksmith (Autobiography of Mortimer E. Cooley—1947) \$3.75
 Autobiography of John Fritz (1940), \$3.25
 Biography of Fred J. Miller (1941), \$1.25

Books and Pamphlets on Special Subjects

Automatic Control Terms (1946) (no discount allowed), \$0.25
 Creative Engineering (1944), \$0.75
 Creative Thinking (1946) (no discount allowed), \$0.25
 Cutter Life, Hardness, Distribution, and Honing, \$0.50
 Design Data on Mechanics (1944), \$1.50
 Design Data on Strength of Materials, Book 1 (1944), \$1.50
 Diesel-Fuel Oils, Production, Characteristics, and Combustion, \$3.50
 Dynamics of Automatic Control, \$7.50
 Engineering Profession in Transition (1947), \$1.00. To ASME members, \$0.50
 Engineering Societies Yearbook, \$3.00 (no discount allowed)

Flow of Water in Pipes and Pipe Fittings (1941), \$8.00
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 Transactions of the ASME, including the *Journal of Applied Mechanics*. Annual nonmember subscription rate in United States, \$12.00; elsewhere, \$12.75
 Annual subscription rates to ASME members:
 \$4.00 for 8 issues of Transactions
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 6.00 for both publications
 1948 ASME Membership List
Applied Mechanics Reviews
 Annual Nonmember subscription in U. S. \$12.50; elsewhere, \$13.
 Annual subscription rate to ASME members in U. S. \$9; elsewhere \$9.50

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